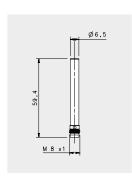
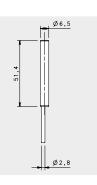
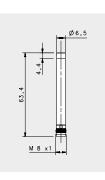
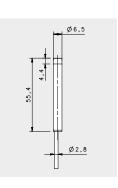
# BASIC M6.5



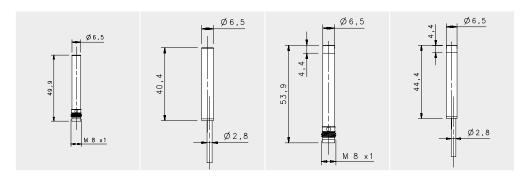






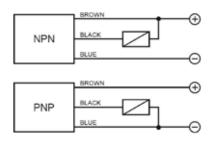


				STANDARD				
				FLL	JSH	NON I	FLUSH	
				M8 conn	cable	M8 conn	cable	
OMINAL SWITCH	HING DISTAN	CE		1,5 mm	1,5 mm	2 mm	2 mm	
10-30 Vdc	PNP/NPN	4 wires						
	NO-NC		order No.					
10-30 Vdc	PNP	3 wires		IS-65-A1-S1	IS-65-A1-03	IS-65-C1-S1	IS-65-C1-03	
	NO	5 11	order No.	95B066050	95B064730	95B066210	95B064890	
0-30 Vdc	PNP	3 wires		IS-65-A2-S1	IS-65-A2-03	IS-65-C2-S1	IS-65-C2-03	
	NC		order No.	95B066090	95B064770	95B066250	95B066300	
0-30 Vdc	NPN	3 wires		IS-65-A3-S1	IS-65-A3-03	IS-65-C3-S1	IS-65-C3-03	
	NO		order No.	95B064970	95B064650	95B066130	95B064810	
0-30 Vdc	NPN	3 wires		IS-65-A4-S1	IS-65-A4-03	IS-65-C4-S1	IS-65-C4-03	
	NC		order No.	95B066010	95B064690	95B066170	95B064850	
0-30 Vdc	PNP	4 wires						
	NO-NC		order No.					
0-30 Vdc	NPN	4 wires						
- · · · ·	NO-NC		order No.					
0-30 Vdc	NO-NC	2 wires						
			order No.					
20-250 Vac/Vdc	NO	2 wires						
			order No.					
20-250 Vac/Vdc	NC	2 wires						
				order No.				
:0-250 Vac	NO	2/3 wires						
					order No.			
0-30 Vdc	Analog							
	0-20 mA		order No.					
NAMUR amplifier	NAMUR	2 wires						
<u> </u>			order No.					
Nominal Voltage				10-30 Vdc (-15/10%)	10-30 Vdc (-15/10%)	10-30 Vdc (-15/10%)	10-30 Vdc (-15/10%)	
Residual Ripple				< 10%	< 10%	< 10%	< 10%	
lysteresis				< 10%	< 10%	< 10%	< 10%	
Лах. Output Curre	nt			200 mm	200 mA	200 mm	200 mA	
in. Output Curre								
Residual Current				< 1,6 mA	< 1,6 mA	< 1,6 mA	< 1,6 mA	
/oltage Drop				< 1,2 V (I=100 mA)	< 1,2 V (I=100 mA)	< 1,2 V (I=100 mA)	< 1,2 V (I=100 mA)	
Operation Led				Yellow	Yellow	Yellow	Yellow	
Switching Frequer	าсง			1000 Hz	1000 Hz	1000 Hz	1000 Hz	
Start Up Delay				< 50 ms	< 50 ms	< 50 ms	< 50 ms	
Repeatability				< 3%	< 3%	< 3%	< 3%	
Short Circuit Prote	ection			Present (self-resetting)	Present (self-resetting)	Present (self-resetting)	Present (self-resetting)	
Electric Protection				Against polarity reversal inductive loads	Against polarity reversal inductive loads	Against polarity reversal inductive loads	Against polarity reversa inductive loads	
emperature Limit				(-25 +70 °C)	(-25 +70 °C)	(-25 +70 °C)	(-25 +70 °C)	
rotection Degree				IP67	IP67	IP67	IP67	
Table Length				1F07 	2 m	1F07 	2 m	
Table Section					3x 0,14 mm²		3x 0,14 mm²	
lousing Material				Nickel-plated brass	Nickel-plated brass	Nickel-plated brass	Nickel-plated brass	
Active Face				LCP	LCP	LCP	LCP	
ightening torque								
Veight - Cable Out	tput				80 g		80 g	
Weight - Connecto	•			40 g		40 g		

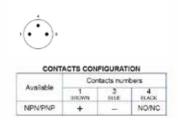


	SH	ORT	
FLL	JSH	NON F	LUSH
M8 conn	cable	M8 conn	cable
1,5 mm	1,5 mm	2 mm	2 mm
IS-65-B1-S1	IS-65-B1-03	IS-65-D1-S1	IS-65-D1-03
95B066070	95B064750	95B066230	95B064910
IS-65-B2-S1	IS-65-B2-03	IS-65-D2-S1	IS-65-D2-03
95B066110	95B064790	95B066270	95B064950
IS-65-B3-S1	IS-65-B3-03	IS-65-D3-S1	IS-65-D3-03
95B064990	95B064670	95B066150	95B064830
IS-65-B4-S1	IS-65-B4-03	IS-65-D4-S1	IS-65-D4-03
95B066030	95B064710	95B066190	95B066190
10-30 Vdc (-15/10%)	10-30 Vdc (-15/10%)	10-30 Vdc (-15/10%)	10-30 Vdc (-15/10%)
< 10%	< 10%	< 10%	< 10%
< 10%	< 10%	< 10%	< 10%
200 mA	200 mA	200 mA	200 mA
< 10 mA	< 10 mA	< 10 mA	< 10 mA
< 1,2 V (I=100mA)			
Yellow	Yellow	Yellow	Yellow
1000 Hz	1000 Hz	1000 Hz	1000 Hz
< 50 ms	< 50 ms	< 50 ms	< 50 ms
< 3%	< 3%	< 3%	< 3%
Present (self-resetting)	Present (self-resetting)	Present (self-resetting)	Present (self-resetting)
Against polarity reversal inductive loads			
(-25 +70 °C)	(-25 +70 °C)	(-25 +70 °C)	(-25 +70 °C)
IP67	IP67	IP67	IP67
	2 m		2 m
	3 x 0,14 mm²		3 x 0,14 mm²
Nickel-plated brass	Nickel-plated brass	Nickel-plated brass	Nickel-plated brass
LCP	LCP	LCP	LCP
	80 g		80 g
40 g		40 g	

## 3 wires PNP or NPN

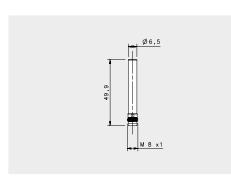


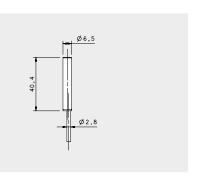
## M8 3 pole



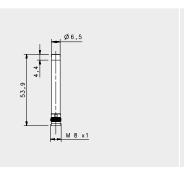
# BASIC M6.5

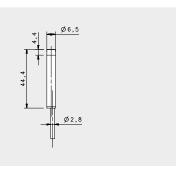






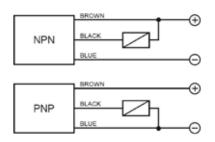
				SHOR	T X2											
				FLUS	н											
				M8 conn	cable											
IOMINAL SWITCH	HING DISTANCE	E		2 mm	2 mm											
40.70.1/4-	PNP/NPN	/tu														
10-30 Vdc	NO-NC	4 wires	order No.													
10-30 Vdc	PNP			IS-65-G1-S1	IS-65-G1-03											
10-30 Vac	NO	3 wires	order No.	95B066060	95B064740											
10-30 Vdc	PNP	3 wires		IS-65-G2-S1	IS-65-G2-03											
10-30 vuc	NC	2 MILES	order No.	95B066100	95B064780											
0-30 Vdc	NPN	3 wires		IS-65-G3-S1	IS-65-G3-03											
0 30 vac	NO	J WIICS	order No.	95B064980	95B064660											
0-30 Vdc	NPN	3 wires		IS-65-G4-S1	IS-65-G4-03											
0 30 vac	NC	J WIICS	order No.	95B066020	95B064700											
0-30 Vdc	PNP	4 wires														
	NO-NC		order No.													
0-30 Vdc	NPN	4 wires														
	NO-NC		order No.													
10-30 Vdc	NO-NC	2 wires														
			order No.													
20-250 Vac/Vdc	NO	2 wires														
			order No.													
20-250 Vac/Vdc	NC	2 wires	N -													
			order No.		<del></del>											
20-250 Vac	NO	2/3 wires	N -													
														order No.		<del></del>
0-30 Vdc	Analog 0-20 mA	3 wires	andan Na													
	0-20 IIIA	MA	J-20 IIIA	order No.		 										
NAMUR amplifier	NAMUR	2 wires	order No.													
Nominal Voltage				10-30 Vdc (-15/10%)	10-30 Vdc (-15/10%)											
Residual Ripple				< 10%	< 10%											
Hysteresis				< 10%	< 10%											
Max. Output Curre	nt			200 mA	200 mA											
1in. Output Curre	ent															
Residual Current				< 10 mA	< 10 mA											
oltage Drop				< 1,2 V (I=100mA)	< 1,2 V (I=100mA)											
peration Led				Yellow	Yellow											
witching Frequer	ncy			500 Hz	500 Hz											
tart Up Delay				< 75 ms	< 75 ms											
Repeatability				< 3%	< 3%											
Short Circuit Prote	ection			Present (self-resetting)	Present (self-resetting)											
Electric Protection	า			Against polarity reversal inductive loads	Against polarity reversal inductive loads											
emperature Limit				(-25 +70 °C)	(-25 +70 °C)											
rotection Degree				IP67	IP67											
able Length					2 m											
able Section					3 x 0,14 mm²											
lousing Material				Nickel-plated brass	Nickel-plated brass											
Active face				LCP	LCP											
ightening torque																
Weight - Cable Out	tput				80 g											
Weight - Connecto				40 g												





SHO	RT X 2				
NON FLUSH					
M8 conn	cable				
3 mm	3 mm				
IS-65-H1-S1	IS-65-H1-03				
95B066220	95B064900				
IS-65-H2-S1	IS-65-H2-03				
95B066260	95B064940				
IS-65-H3-S1	IS-65-H3-03				
95B066140	95B064820				
IS-65-H4-S1	IS-65-H4-03				
95B066180	95B064860				
10-30 Vdc (-15/10%)	10-30 Vdc (-15/10%)				
< 10%	< 10%				
< 10%	< 10%				
200 mA	200 mA				
< 10 mA	< 10 mA				
< 1,2 V (I=100mA)	< 1,2 V (I=100mA)				
Yellow	Yellow				
500 Hz	500 Hz				
< 75 ms	< 75 ms				
< 3%	< 3%				
Present (self-resetting)	Present (self-resetting)				
Against polarity reversal inductive loads	Against polarity reversal inductive loads				
(−25 +70 °C) IP67	(−25 +70 °C) IP67				
	2 m				
	3 x 0,14 mm²				
Nickel-plated brass	Nickel-plated brass				
LCP	LCP				
	80 g				
40 g					

## 3 wires PNP or NPN

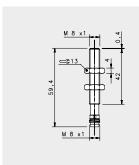


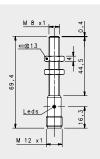
## M8 3 pole

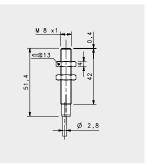


27.252.31	Contacts numbers			
Available	1 IROWN	3 HUE	HACK	
NPN/PNP	+	_	NO/NO	

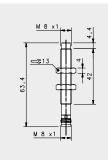


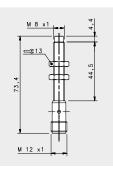


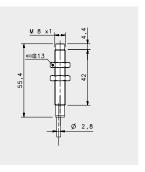




					STANDARD	
					FLUSH	
				M8 conn	M12 conn	cable
IOMINAL SWITCH	IING DISTAN	CE		1,5 mm	1,5 mm	1,5 mm
10-30 Vdc	PNP/NPN	4 wires				
	NO-NC		order No.			
10-30 Vdc	PNP	3 wires		IS-08-A1-S1	IS-08-A1-S2	IS-08-A1-03
	NO		order No.	958061141	95B061131	95B061121
10-30 Vdc	PNP NC	3 wires	N N -	IS-08-A2-S1	IS-08-A2-S2	IS-08-A2-03
			order No.	95B061171 IS-08-A3-S1	95B061161	95B061151
10-30 Vdc	NPN NO	3 wires	order No	95B061081	IS-08-A3-S2 95B061071	IS-08-A3-03 95B061061
			order No.			IS-08-A4-03
10-30 Vdc	NPN NC	3 wires	audau Na	IS-08-A4-S1 95B061111	IS-08-A4-S2	
			order No.	958061111	95B061101 	95B061091 
10-30 Vdc	PNP NO-NC	4 wires	order No.			
	NPN , .					
10-30 Vdc	NO-NC	4 wires	order No.			
		Ī				
10-30 Vdc	NO-NC	2 wires	order No.			
20-250 Vac/Vdc	O Vac/Vdc NO 2 wi		order No.			
		2 wires				
20-250 Vac/Vdc	O Vac/Vdc NC		order No.			
		2/2 :				
20-250 Vac	NO	2/3 wires	order No.			
	Analog	2				
10-30 Vdc	0-20 mA	3 wires	order No.			
		1UR 2 wires				
NAMUR amplifier	NAMUR		order No.			
Nominal Voltage				10-30 Vdc (-15/10%)	10-30 Vdc (-15/10%)	10-30 Vdc (-15/10%)
Residual Ripple				< 10%	< 10%	< 10%
Hysteresis				< 10%	< 10%	< 10%
Max. Output Curre	nt			200mA	200mA	200mA
Min. Output Curre	nt					
Residual Current				< 10 mA	< 10 mA	< 10 mA
Voltage Drop				< 1,2 V (I=100mA)	< 1,2 V (I=100mA)	< 1,2 V (I=100mA)
Operation Led				Yellow	Yellow	Yellow
Switching Frequer	ncy			1000 Hz	1000 Hz	1000 Hz
Start Up Delay				< 50 ms	< 50 ms	< 50 ms
Repeatability				< 3%	< 3%	< 3%
Short Circuit Prote	ection			Present (self-resetting)	Present (self-resetting)	Present (self-resetting)
Electric Protection	1			Against polarity reversal inductive loads	Against polarity reversal inductive loads	Against polarity reversal inductive loads
Temperature Limit				(-25 +70 °C)	(-25 +70 °C)	(-25 +70 °C)
Protection Degree				(-23 +70 °C)	(-25 +70 °C) IP67	(-25 +70 °C)
Cable Length						2 m
Cable Section						3x 0,14 mm²
Housing Material				Nickel-plated brass	Nickel-plated brass	Nickel-plated brass
Active face				LCP	LCP	LCP
Tightening torque					* see page 5 of the Inductive Sensors Catalog	
Neight - Cable Out	nut			see page 5 of the inductive sensors catalog	see page 5 of the inductive sensors catalog	80 g
Weight - Cable Out Weight - Connecto				254	550	o∪ g 
weight - connecto	ι συτράτ			35g	55g	

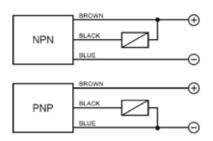






	STANDARD	
	NON FLUSH	
M8 conn	M12 conn	cable
2 mm	2 mm	2 mm
IS-08-C1-S1	IS-08-C1-S2	IS-08-C1-03
95B061541	95B061531	95B061521
IS-08-C2-S1	IS-08-C2-S2	IS-08-C2-03
95B061571	95B061561	95B061551
IS-08-C3-S1	IS-08-C3-S2	IS-08-C3-03
95B061481	95B061471	95B066410
IS-08-C4-S1	IS-08-C4-S2	IS-08-C4-03
95B061511	95B061501	95B066450
40 70 14-1 45 (40%)	40, 20,14-7,45,440%	40 20 14-1 45 (40%)
10-30 Vdc (-15/10%)	10-30 Vdc (-15/10%)	10-30 Vdc (-15/10%)
< 10%	< 10%	< 10%
< 10%	< 10%	< 10%
200mA 	200mA 	200mA 
< 10 mA	< 10 mA	< 10 mA
< 1,2 V (I=100mA) Yellow	< 1,2 V (I=100mA) Yellow	< 1,2 V (I=100mA) Yellow
1000 Hz	1000 Hz	1000 Hz
< 50 ms	< 50 ms	< 50 ms
< 3%	< 3%	< 3%
Present (self-resetting)	Present (self-resetting)	Present (self-resetting)
•	, ,	
Against polarity reversal inductive loads	Against polarity reversal inductive loads	Against polarity reversal inductive loads
(-25 +70 °C)	(-25 +70 °C)	(-25 +70 °C)
IP67	IP67	IP67
		2 m
		3x 0,14 mm²
Nickel-plated brass	Nickel-plated brass	Nickel-plated brass
LCP	LCP	LCP
* see page 5 of the Inductive Sensors Catalog	* see page 5 of the Inductive Sensors Catalog	* see page 5 of the Inductive Sensors Catalog 80 g
35g	55g	

### 3 wires PNP or NPN



## M123 pole



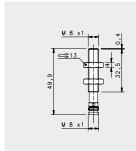
Available	Contacts numbers			
Available	1	2	3	4
(NO or NC)	+		77/	NOING

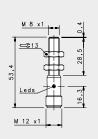
## M8 3 pole

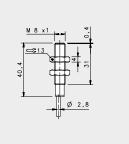


CONT	ACTS CON	FIGURAT	ION		
1207-2202-01	Contacts numbers				
Available	1 BROWN	3 HUE	HACK		
NPN/PNP	+	_	NO/NC		

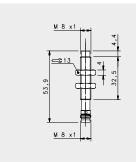


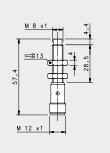


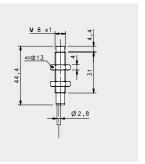




					SHORT	
					FLUSH	
				M8 conn	M12 conn	cable
NOMINAL SWITCH	IING DISTAN	CE		1,5 mm	1,5 mm	1,5 mm
40.20.1/4-	PNP/NPN	, i				
10-30 Vdc	NO-NC	4 wires	order No.			
10-30 Vdc	PNP	3 wires		IS-08-B1-S1	IS-08-B1-S2	IS-08-B1-03
10-30 Vac	NO	5 WILES	order No.	95B066860	95B066590	95B061921
10-30 Vdc	PNP	3 wires		IS-08-B2-S1	IS-08-B2-S2	IS-08-B2-03
10-30 vac	NC	order No.		95B066890	95B066620	95B061951
10-30 Vdc	NPN	3 wires		IS-08-B3-S1	IS-08-B3-S2	IS-08-B3-03
	NO	5 Wiles	order No.	95B066810	95B066530	95B061861
10-30 Vdc	NPN	3 wires		IS-08-B4-S1	IS-08-B4-S2	IS-08-B4-03
	NC	5 Wiles	order No.	95B066830	95B066560	95B061891
10-30 Vdc	PNP NO-NC	4 wires	order No.			
	NPN		0.00.110.			
10-30 Vdc	NO-NC 4 wires		order No.			
			0.00.110.			
10-30 Vdc	NO-NC	2 wires	order No.			
20-250 Vac/Vdc	Vac/Vdc NO 2 wi		order No.			
		2 wires				
20-250 Vac/Vdc	50 Vac/Vdc NC		order No.			
		2/3 wires				
20-250 Vac	NO 2/3		order No.			
10 20 1/4-	Analog	2 wires				
10-30 Vdc	0-20 mA	mA 3 wires	order No.			
NAMUR amplifier	NAMUR	ALID 2ives				
MAINIOR ampliner	IVAIVIOR	2 wires	order No.			
Nominal Voltage				10-30 Vdc (-15/10%)	10-30 Vdc (-15/10%)	10-30 Vdc (-15/10%)
Residual Ripple				< 10%	< 10%	< 10%
Hysteresis Max. Output Currer				< 10% 200mA	< 10% 200mA	< 10% 200mA
Min. Output Curre				20011IA 	20011IA 	20011A 
Residual Current	:IIL			< 10 mA	< 10 mA	< 10 mA
Voltage Drop				V IUIIIA	N TO THA	
				< 1.2 \/ (I=100mΔ)	< 1.2 \/ (I=100mΔ)	< 1.2 \/ (I=100mΔ)
				< 1,2 V (I=100mA)	< 1,2 V (I=100mA)	< 1,2 V (I=100mA)
Operation Led	ncv			Yellow	Yellow	Yellow
Operation Led Switching Frequer	ncy			Yellow 1000 Hz	Yellow 1000 Hz	Yellow 1000 Hz
Operation Led Switching Frequer Start Up Delay	ncy			Yellow 1000 Hz < 50 ms	Yellow 1000 Hz < 50 ms	Yellow 1000 Hz < 50 ms
Operation Led Switching Frequer Start Up Delay Repeatability				Yellow 1000 Hz < 50 ms < 3%	Yellow 1000 Hz < 50 ms < 3%	Yellow 1000 Hz < 50 ms < 3%
Operation Led Switching Frequer Start Up Delay Repeatability Short Circuit Prote	ection			Yellow 1000 Hz < 50 ms < 3% Present (self-resetting) Against polarity reversal	Yellow 1000 Hz < 50 ms < 3% Present (self-resetting) Against polarity reversal	Yellow 1000 Hz < 50 ms < 3% Present (self-resetting) Against polarity reversal
Operation Led Switching Frequer Start Up Delay Repeatability Short Circuit Prote Electric Protection	ection 1			Yellow 1000 Hz < 50 ms < 3% Present (self-resetting) Against polarity reversal inductive loads	Yellow 1000 Hz < 50 ms < 3% Present (self-resetting) Against polarity reversal inductive loads	Yellow 1000 Hz < 50 ms < 3% Present (self-resetting) Against polarity reversal inductive loads
Operation Led Switching Frequer Start Up Delay Repeatability Short Circuit Prote Electric Protection Temperature Limit	ection 1			Yellow 1000 Hz < 50 ms < 3% Present (self-resetting) Against polarity reversal inductive loads (-25 +70 °C)	Yellow 1000 Hz < 50 ms < 3% Present (self-resetting) Against polarity reversal inductive loads (-25 +70 °C)	Yellow 1000 Hz < 50 ms < 3% Present (self-resetting) Against polarity reversal inductive loads (-25 +70 °C)
Operation Led Switching Frequer Start Up Delay Repeatability Short Circuit Prote Electric Protection Temperature Limit Protection Degree	ection 1			Yellow 1000 Hz < 50 ms < 3% Present (self-resetting) Against polarity reversal inductive loads (-25 +70 °C) IP67	Yellow 1000 Hz < 50 ms < 3% Present (self-resetting) Against polarity reversal inductive loads (-25 +70 °C) IP67	Yellow 1000 Hz < 50 ms < 3% Present (self-resetting) Against polarity reversal inductive loads (-25 +70 °C) IP67
Operation Led Switching Frequer Start Up Delay Repeatability Short Circuit Prote Electric Protection Temperature Limit Protection Degree Cable Length	ection 1			Yellow 1000 Hz < 50 ms < 3% Present (self-resetting) Against polarity reversal inductive loads (-25 +70 °C) IP67	Yellow 1000 Hz < 50 ms < 3% Present (self-resetting) Against polarity reversal inductive loads (-25 +70 °C) IP67	Yellow 1000 Hz < 50 ms < 3% Present (self-resetting) Against polarity reversal inductive loads (-25 +70 °C) IP67 2 m
Operation Led Switching Frequer Start Up Delay Repeatability Short Circuit Prote Electric Protection Temperature Limit Protection Degree Cable Length Cable Section	ection 1			Yellow 1000 Hz < 50 ms < 3% Present (self-resetting) Against polarity reversal inductive loads (-25 +70 °C) IP67	Yellow 1000 Hz < 50 ms < 3% Present (self-resetting) Against polarity reversal inductive loads (-25 +70 °C) IP67	Yellow 1000 Hz < 50 ms < 3% Present (self-resetting) Against polarity reversal inductive loads (-25 +70 °C) IP67 2 m 3 x 0,14 mm²
Operation Led Switching Frequer Start Up Delay Repeatability Short Circuit Prote Electric Protection Temperature Limit Protection Degree Cable Length Cable Section Housing Material	ection 1			Yellow 1000 Hz < 50 ms < 3% Present (self-resetting) Against polarity reversal inductive loads (-25 +70 °C) IP67 Nickel-plated brass	Yellow 1000 Hz < 50 ms < 3% Present (self-resetting) Against polarity reversal inductive loads (-25 +70 °C) IP67 Nickel-plated brass	Yellow 1000 Hz < 50 ms < 3% Present (self-resetting) Against polarity reversal inductive loads (-25 +70 °C) IP67 2 m 3 x 0,14 mm² Nickel-plated brass
Operation Led Switching Frequer Start Up Delay Repeatability Short Circuit Prote Electric Protection Temperature Limit Protection Degree Cable Length Cable Section Housing Material Active face	ection 1			Yellow 1000 Hz < 50 ms < 3% Present (self-resetting)  Against polarity reversal inductive loads (-25 +70 °C) IP67 Nickel-plated brass LCP	Yellow 1000 Hz < 50 ms < 3% Present (self-resetting) Against polarity reversal inductive loads (-25 +70 °C) IP67 Nickel-plated brass LCP	Yellow 1000 Hz < 50 ms < 3% Present (self-resetting) Against polarity reversal inductive loads (-25 +70 °C) IP67 2 m 3 x 0,14 mm² Nickel-plated brass LCP
Operation Led Switching Frequer Start Up Delay Repeatability Short Circuit Prote Electric Protection Temperature Limit Protection Degree Cable Length	ection 1			Yellow 1000 Hz < 50 ms < 3% Present (self-resetting)  Against polarity reversal inductive loads (-25 +70 °C) IP67 Nickel-plated brass LCP	Yellow 1000 Hz < 50 ms < 3% Present (self-resetting) Against polarity reversal inductive loads (-25 +70 °C) IP67 Nickel-plated brass	Yellow 1000 Hz < 50 ms < 3% Present (self-resetting) Against polarity reversal inductive loads (-25 +70 °C) IP67 2 m 3 x 0,14 mm² Nickel-plated brass LCP



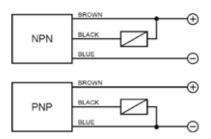




	SHORT	
	NON FLUSH	
M8 conn	M12 conn	cable
2 mm	2 mm	2 mm
IS-08-D1-S1	IS-08-D1-S2	IS-08-D1-03
95B066970	95B066700	95B062321
IS-08-D2-S1	IS-08-D2-S2	IS-08-D2-03
95B067000	95B066720	95B062351
IS-08-D3-S1	IS-08-D3-S2	IS-08-D3-03
95B066920	95B066650	95B066430
IS-08-D4-S1	IS-08-D4-S2	IS-08-D4-03
95B066940	95B066670	95B062291
	<del></del>	
	<del></del>	
	<del></del>	
	<del></del>	
10-30 Vdc (-15/10%)	10-30 Vdc (-15/10%)	10-30 Vdc (-15/10%)
< 10%	< 10%	< 10%
< 10%	< 10%	< 10%
200mA	200mA	200mA
< 10 mA	< 10 mA	< 10 mA
< 1,2 V (I=100mA)	< 1,2 V (I=100mA)	< 1,2 V (I=100mA)
Yellow	Yellow	Yellow
1000 Hz	1000 Hz	1000 Hz
< 50 ms	< 50 ms	< 50 ms
< 3%	< 3%	< 3%
Present (self-resetting)	Present (self-resetting)	Present (self-resetting)
Against polarity reversal inductive loads	Against polarity reversal inductive loads	Against polarity reversal inductive loads
(-25 +70 °C)	(-25 +70 °C)	(-25 +70 °C)
(-25 +70 °C) IP67	(-25 +70 °C) IP67	(-25 +70 °C)
		2 m
	<del></del>	3 x 0,14 mm²
Nickel-plated brass	Nickel-plated brass	Nickel-plated brass
LCP	LCP	LCP
	* see page 5 of the Inductive Sensors Catalog	
. 5	, 0	80 g

55g

### 3 wires PNP or NPN



## M123 pole



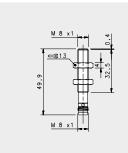
	CONTACTS CONFIGURATION  Contacts numbers			
Available	1	2	3	4
(NO or NC)	+		777	NOING

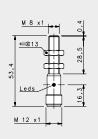
## M8 3 pole

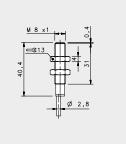


277-27-22-27	Contacts numbers				
Available	1 IROWN	3 HUE	HACK		
NPN/PNP	+	_	NO/NO		

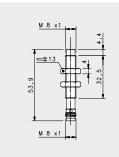


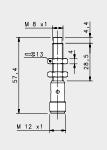


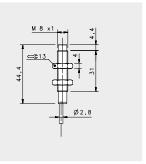




					SHORT X2					
					FLUSH					
				M8 conn	M12 conn	cable				
IOMINAL SWITCH	ING DISTAN	CE		2 mm	2 mm	2 mm				
10-30 Vdc	PNP/NPN	4 wires								
	NO-NC		order No.							
10-30 Vdc	PNP	3 wires		IS-08-G1-S1	IS-08-G1-S2	IS-08-G1-03				
	NO		order No.	958066850	95B066580	95B066370				
10-30 Vdc	PNP NC	3 wires	and an Na	IS-08-G2-S1	IS-08-G2-S2	IS-08-G2-03				
			order No.	95B066880	95B066610	95B066390				
10-30 Vdc	NPN NO	3 wires	order No	IS-08-G3-S1 95B066800	IS-08-G3-S2 95B066520	IS-08-G3-03 95B066330				
			order No.							
10-30 Vdc	NPN NC	3 wires	audau Na	IS-08-G4-S1 95B063131	IS-08-G4-S2	IS-08-G4-03				
			order No.		95B066550	95B066350				
10-30 Vdc	PNP NO-NC	4 wires	order No.							
	NPN									
10-30 Vdc	NO-NC	4 wires	order No.							
10-30 Vdc	NO-NC	2 wires	order No.							
20-250 Vac/Vdc	NO	2 wires	order No.							
	_									
20-250 Vac/Vdc	NC	2 wires	order No.							
		2/3 wires								
20-250 Vac	50 Vac NO 2		order No.							
	Analog	3 wires								
10-30 Vdc	0-20 mA		order No.							
		2 wires	<u>.</u>	<u>.</u>	<b>.</b> .					
NAMUR amplifier	NAMUR		order No.							
Nominal Voltage				10-30 Vdc (-15/10%)	10-30 Vdc (-15/10%)	10-30 Vdc (-15/10%)				
Residual Ripple				< 10%	< 10%	< 10%				
Hysteresis				< 10%	< 10%	< 10%				
Max. Output Currer	nt			200mA	200mA	200mA				
Min. Output Curre	nt									
Residual Current				< 10 mA	< 10 mA	< 10 mA				
Voltage Drop				< 1,2 V (I=100mA)	< 1,2 V (I=100mA)	< 1,2 V (I=100mA)				
Operation Led				Yellow	Yellow	Yellow				
Switching Frequer	ncy			500 Hz	500 Hz	500 Hz				
Start Up Delay				< 75 ms	< 75 ms	< 75 ms				
Repeatability				< 3%	< 3%	< 3%				
Short Circuit Prote	ection			Present (self-resetting)	Present (self-resetting)	Present (self-resetting)				
Electric Protection				Against polarity reversal inductive loads	Against polarity reversal inductive loads	Against polarity reversal inductive loads				
Temperature Limit				(-25 +60 °C)	(-25 +60 °C)	(-25 +70 °C)				
Protection Degree				IP67	IP67	IP67				
Cable Length						2 m				
Cable Section						3 x 0,14 mm²				
Housing Material				Nickel-plated brass	Nickel-plated brass	Nickel-plated brass				
Active face				LCP	LCP	LCP				
Fightening torque					* see page 5 of the Inductive Sensors Catalog					
Weight - Cable Out	put			page 5 5. and madelive Sensors Cutulog	Fage 5 of the madeline Sensor's Cuttalog	80 g				
Weight - Connector	•			35g	55g					



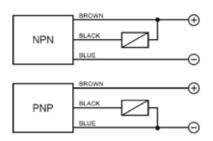




	SHORT X2		
	NON FLUSH		
M8 conn	M12 conn	cable	
3 mm	3 mm	3 mm	
	<del></del>	<del></del>	
IS-08-H1-S1	IS-08-H1-S2	IS-08-H1-03	
95B066960	95B066690	95B066480	
IS-08-H2-S1	IS-08-H2-S2	IS-08-H2-03	
95B066990	95B063301	95B066500	
IS-08-H3-S1	IS-08-H3-S2	IS-08-H3-03	
95B066910	95B066640	95B066420	
IS-08-H4-S1	IS-08-H4-S2	IS-08-H4-03	
95B063251	95B063241	95B066460	
10-30 Vdc (-15/10%)	10-30 Vdc (-15/10%)	10-30 Vdc (-15/10%)	
< 10%	< 10%	< 10%	
< 10%	< 10%	< 10%	
200mA	200mA	200mA	
	<del></del>	===	
< 10 mA	< 10 mA	< 10 mA	
< 1,2 V (I=100mA)	< 1,2 V (I=100mA)	< 1,2 V (I=100mA)	
Yellow	Yellow	Yellow	
500 Hz	500 Hz	500 Hz	
< 75 ms	< 75 ms	< 75 ms	
< 3%	< 3%	< 3%	
Present (self-resetting)	Present (self-resetting)	Present (self-resetting)	
Against polarity reversal inductive loads	Against polarity reversal inductive loads	Against polarity reversal inductive loads	
(-25 +60 °C)	(-25 +60 °C)	(-25 +70 °C)	
IP67	IP67	IP67	
o, 	o, 	2 m	
	<del></del>	3 x 0,14 mm²	
Nickel-plated brass	Nickel-plated brass	Nickel-plated brass	
LCP	LCP	LCP	
	* see page 5 of the Inductive Sensors Catalog		
, 3-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1	,	80 g	

55g

### 3 wires PNP or NPN



## M123 pole



Available	Contacts numbers			
Available	1	2	3	4
(NO or NC)	+		77/	NOING

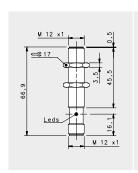
## M8 3 pole

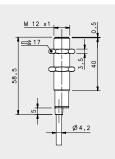
80 g

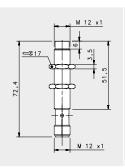


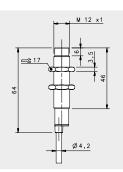
CONT	ACTS CON	FIGURAT	ION	
1200-2002-00	Contacts numbers			
Available	1 BROWN	3 HUE	HACK	
NPN/PNP	+	=	NONC	



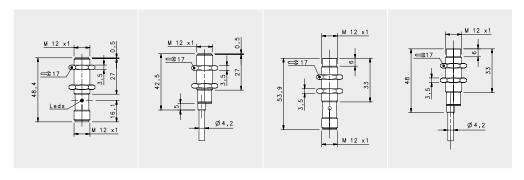








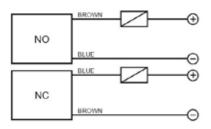
				STANDARD			
				FLI	JSH	NON	FLUSH
				M12 conn	cable	M12 conn	cable
NOMINAL SWITCH	ING DISTAN	CE		2 mm	2 mm	4 mm	4 mm
10-30 Vdc	PNP/NPN	4 wires		IS-12-A0-S2	IS-12-A0-03	IS-12-C0-S2	IS-12-C0-03
	NO-NC		order No.	95B064060	95B064030	95B064080	95B064040
10-30 Vdc	PNP NO	3 wires	order No.	IS-12-A1-S2 95B061251	IS-12-A1-03 95B061241	IS-12-C1-S2 95B061651	IS-12-C1-03 95B061641
			order No.	IS-12-A2-S2	IS-12-A2-03	IS-12-C2-S2	IS-12-C2-03
10-30 Vdc	PNP NC	3 wires	order No.	95B061281	95B061271	95B061681	95B061671
	NPN		order ivo.	IS-12-A3-S2	IS-12-A3-03	IS-12-C3-S2	IS-12-C3-03
10-30 Vdc	NO	3 wires	order No.	95B061191	95B061181	95B061591	95B061581
	NPN			IS-12-A4-S2	IS-12-A4-03	IS-12-C4-S2	IS-12-C4-03
10-30 Vdc	NC	3 wires	order No.	95B061221	95B061211	95B061621	95B061611
40.20141	PNP	, .					
10-30 Vdc	NO-NC	4 wires	order No.				
10-30 Vdc	NPN	4 wires					
10-30 Vuc	NO-NC	4 WIIES	order No.				
10-30 Vdc	NO-NC	2 wires		IS-12-A9-S2	IS-12-A9-03	IS-12-C9-S2	IS-12-C9-03
10 30 140	140 140	2 Wiles	order No.	95B063931	95B064100	95B064140	95B064110
20-250 Vac/Vdc	NO	2 wires					
	1		order No.				
20-250 Vac/Vdc	NC 2 wires						
			order No.				
20-250 Vac	NO	2/3 wires	order No.				
	A1	3 wires	order No.				
10-30 Vdc	Analog 0-20 mA		order No.				
			order ivo.				
NAMUR amplifier	NAMUR	2 wires	order No.				
Niamaina I Malka an				40 20 114-1 45 (40%)	40 20 11-1 45 (40%)	40 2014-1 45 (40%)	40 20 14- 1 45 (40%)
Nominal Voltage				10-30 Vdc (-15/10%) < 10%	10-30 Vdc (-15/10%) < 10%	10-30 Vdc (-15/10%) < 10%	10-30 Vdc (-15/10%) < 10%
Residual Ripple Hysteresis				< 10%	< 10%	< 10%	< 10%
Max. Output Currer	nt			200mA; 100 mA (2wires)	200mA; 100 mA (2wires)	200mA; 100 mA (2wires)	200mA; 100 mA (2wires)
Min. Output Curre				> 1,6 mA (2wires)	> 1,6 mA (2wires)	> 1,6 mA (2wires)	> 1,6 mA (2wires)
Residual Current				< 10mA; < 1,6 mA (2wires)	< 10mA; < 1,6 mA (2wires)	< 10mA; < 1,6 mA (2wires)	< 10mA; < 1,6 mA (2wires)
Voltage Drop				< 1,8V; < 6,5 V (2wires)	< 1,8V; < 6,5 V (2wires)	< 1,8V; < 6,5 V (2wires)	< 1,8V; < 6,5 V (2wires)
Operation Led				Yellow	Yellow	Yellow	Yellow
Switching Frequer	тсу			1000 Hz/200 Hz (2 wires NO-NC)	1000 Hz/200 Hz (2 wires NO-NC)	1000 Hz/200 Hz (2 wires NO-NC)	1000 Hz/200 Hz (2 wires NO-N
Start Up Delay				< 50 ms	< 50 ms	< 50 ms	< 50 ms
Repeatability				< 3%	< 3%	< 3%	< 3%
Short Circuit Prote	ction			Present (self-resetting)	Present (self-resetting)	Present (self-resetting)	Present (self-resetting)
Electric Protection				Against polarity reversal inductive loads	Against polarity reversal inductive loads	Against polarity reversal inductive loads	Against polarity reversal inductive loads
Temperature Limit				(-25 +70 °C)	(-25 +70 °C)	(-25 +70 °C)	(-25 +70 °C)
Protection Degree				IP67	IP67	IP67	IP67
Cable Length					2 m		2 m
Cable Section					2 x 0,34 mm² 3 x 0,14 mm² 4 x 0,25 mm²		2 x 0,34 mm² 3 x 0,14 mm² 4 x 0,25 mm²
Housing Material				Nickel-plated brass	Nickel-plated brass	Nickel-plated brass	Nickel-plated brass
Active face				LCP	LCP	LCP	LCP
Tightening torque				* see page 5 of the Inductive Sensors Catalog	* see page 5 of the Inductive Sensors Catalog	* see page 5 of the Inductive Sensors Catalog	* see page 5 of the Inductiv Sensors Catalog
Weight - Cable Out	put				110 g		110 g
Weight - Connector	r Output			60 g		60 g	



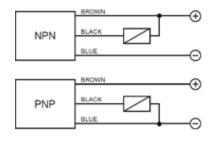
SHORT							
FLI	JSH		FLUSH				
M12 conn	cable	M12conn	cable				
2 mm	2 mm	4 mm	4 mm				
IS-12-B1-S2	IS-12-B1-03	IS-12-D1-S2	IS-12-D1-03				
95B062051	95B062041	95B062451	95B062441				
IS-12-B2-S2	IS-12-B2-03	IS-12-D2-S2	IS-12-D2-03				
95B062081	95B062071	95B062481	95B062471				
IS-12-B3-S2	IS-12-B3-03	IS-12-D3-S2	IS-12-D3-03				
95B061991	95B061981	95B062391	95B062381				
IS-12-B4-S2	IS-12-B4-03	IS-12-D4-S2	IS-12-D4-03				
95B062021	95B062011	95B062421	95B062411				
93B002021 			93B002411 				
10-30 Vdc (-15/10%)	10-30 Vdc (-15/10%)	10-30 Vdc (-15/10%)	10-30 Vdc (-15/10%)				
< 10%	< 10%	< 10%	< 10%				
< 10%	< 10%	< 10%	< 10%				
200 mA	200 mA	200 mA	200 mA				
< 10 mA	< 10 mA	< 10 mA	< 10 mA				
< 1,8 V (I=100mA)	< 1,8 V (I=100mA)	< 1,8 V (I=100mA)	< 1,8 V (I=100mA)				
Yellow	Yellow	Yellow	Yellow				
1000 Hz	1000 Hz	1000 Hz	1000 Hz				
< 50 ms	< 50 ms	< 50 ms	< 50 ms				
< 3%	< 3%	< 3%	< 3%				
Present (self-resetting)	Present (self-resetting)	Present (self-resetting)	Present (self-resetting)				
Against polarity reversal inductive loads	Against polarity reversal inductive loads	Against polarity reversal inductive loads	Against polarity reversal inductive loads				
(-25 +60 °C)	(-25 +70 °C)	(-25 +60 °C)	(-25 +70 °C)				
IP67	IP67	IP67	IP67				
11 07	2 m		2 m				
	<b>4</b> 111		Z III				
	3 x 0,14 mm <sup>2</sup>		3 x 0,14 mm²				
Nickel-plated brass	Nickel-plated brass	Nickel-plated brass	Nickel-plated brass				
LCP * see page 5 of the Inductive Sensors Catalog	LCP * see page 5 of the Inductive Sensors Catalog	LCP * see page 5 of the Inductive Sensors Catalog	LCP * see page 5 of the Inductiv Sensors Catalog				
	110 g		110 g				
60 g		60 g					

60 g

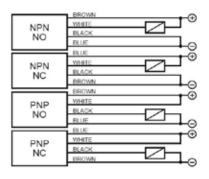
### 2 wires NO or NC



### 3 wires PNP or NPN



### 4 wires (PNP/NPN, NO/NC)



### M12 connector - connections



### 2 wires NO or NC

Amelable	Contacts numbers				
Average	3	2	3	4	
NO	*		-		
NC	100		+		

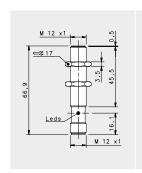
### 3 wires

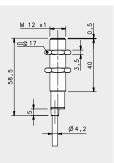
C	ONTACTS	CONFIGU	RATION		
Available	Contacts numbers				
Available	1	2	3	4	
(NO or NC)	+		-	NOINC	

### 4 wires (PNP/NPN, NO/NC)

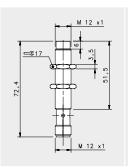
Output		Contacts	numbers	
Output	010	2	- 3	4
NPN NO	+	NO	_	-
NPN NC	-	NC	+	-
PNP NO	+ -	+		NO
PNP NC	-	+	+	NC

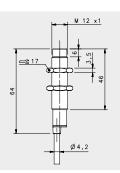




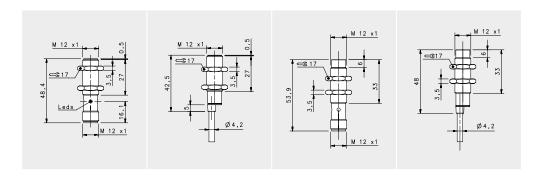


STANDARD X2

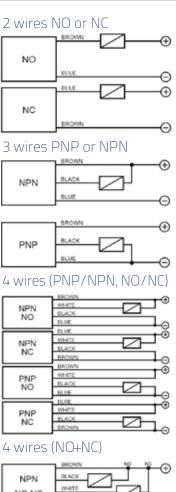


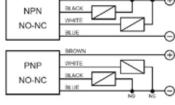


				FLU	FLUSH NON FLUSH		LUSH
				M12 conn	cable	M12 conn	cable
NOMINAL SWITCH	IING DISTAN	CE		4 r	nm	8 n	nm
10-30 Vdc	PNP/NPN	4 wires		IS-12-E0-S2	IS-12-E0-03	IS-12-F0-S2	IS-12-F0-03
10-30 Vuc	NO-NC	4 WII es	order No.	95B067230	95B067190	95B067250	95B067210
10-30 Vdc	PNP	3 wires		IS-12-E1-S2	IS-12-E1-03	IS-12-F1-S2	IS-12-F1-03
10-30 Vac	NO	2 MILE2	order No.	95B067030	95B067670	95B067020	95B067740
10-30 Vdc	PNP	3 wires		IS-12-E2-S2	IS-12-E2-03	IS-12-F2-S2	IS-12-F2-03
10-30 Vac	NC	2 MILE2	order No.	95B067640	95B067680	95B067710	95B067750
10-30 Vdc	NPN	3 wires		IS-12-E3-S2	IS-12-E3-03	IS-12-F3-S2	IS-12-F3-03
10 30 vac	NO	5 Wiles	order No.	95B067650	95B067690	95B067720	95B067760
10-30 Vdc	NPN	3 wires		IS-12-E4-S2	IS-12-E4-03	IS-12-F4-S2	IS-12-F4-03
	NC	3 1111103	order No.	95B067660	95B067700	95B067730	95B067770
10-30 Vdc	PNP	4 wires					
	NO-NC	1 1111103	order No.				
10-30 Vdc	NPN	4 wires					
	NO-NC		order No.				
10-30 Vdc	NO-NC	2 wires		IS-12-E9-S2	IS-12-E9-03	IS-12-F9-S2	IS-12-F9-03
			order No.	95B067240	95B067200	95B067260	95B067220
20-250 Vac/Vdc	NO	2 wires					
			order No.				
20-250 Vac/Vdc	NC	2 wires					
			order No.				
20-250 Vac	NO	2/3wires					
			order No.				
10-30 Vdc	Analog	3 wires					
	0-20 mA	-20 mA	order No.				
NAMUR amplifier	NAMUR	2 wires					
			order No.				
Nominal Voltage				10-30 Vdc (-15/10%)	10-30 Vdc (-15/10%)	10-30 Vdc (-15/10%)	10-30 Vdc (-15/10%)
Residual Ripple				< 10%	< 10%	< 10%	< 10%
Hysteresis				< 10%	< 10%	< 10%	< 10%
Max. Output Curre	nt			100 mA	100 mA	100 mA	100 mA
Min. Output Curre				100 IIIA			100 IIIA
Residual Current	iic .			< 10 mA	< 10 mA	< 10 mA	< 10 mA
Voltage Drop				< 1,2 V (I=100mA)	< 1,2 V (I=100mA)	< 1,2 V (I=100mA)	< 1,2 V (I=100mA)
Operation Led				Yellow	Yellow	Yellow	Yellow
Switching Frequer	ncv			500 Hz/200 Hz (2 wires NO-NC)	500 Hz/200 Hz (2 wires NO-NC)	400 Hz/200 Hz (2 wires NO-NC)	400 Hz/200 Hz (2 wires NO-N
Start Up Delay				< 75 ms	< 75 ms	< 75 ms	< 75 ms
Repeatability				< 3%	< 3%	< 3%	< 3%
Short Circuit Prote	ection			Present (self-resetting)	Present (self-resetting)	Present (self-resetting)	Present (self-resetting)
Electric Protection				Against polarity reversal inductive loads	Against polarity reversal inductive loads	Against polarity reversal inductive loads	Against polarity reversal inductive loads
Temperature Limit				(-25 +70 °C)	(-25 +70 °C)	(-25 +70 °C)	(-25 +70 °C)
Protection Degree				IP67	IP67	IP67	IP67
Cable Length							
Cable Section					2 x 0,34 mm² 3 x 0,14 mm² 4 x 0,25 mm²		2 x 0,34 mm² 3 x 0,14 mm² 4 x 0,25 mm²
Housing Material				Nickel-plated brass	Nickel-plated brass	Nickel-plated brass	Nickel-plated brass
Active face				LCP	LCP	LCP	LCP
Tightening torque				* see page 5 of the Inductive Sensors Catalog	* see page 5 of the Inductive Sensors Catalog	* see page 5 of the Inductive Sensors Catalog	* see page 5 of the Inductiv Sensors Catalog
Weight - Cable Out	put						
Weight - Connecto	r Output			60 g	60 g	60 g	60 g



SHORT X2							
FLL	JSH	NON F	LUSH				
M12 con	cable	M12 conn	cable				
4 mm	4 mm	8 mm	8 mm				
IS-12-G1-S2	IS-12-G1-03	IS-12-H1-S2	IS-12-H1-03				
95B063371 IS-12-G2-S2	95B063361	95B063451	95B063441				
95B063391	IS-12-G2-03 95B063381	IS-12-H2-S2 95B063471	IS-12-H2-03 95B063461				
IS-12-G3-S2	IS-12-G3-03	IS-12-H3-S2	IS-12-H3-03				
95B063331	95B063321	95B063411	95B063401				
IS-12-G4-S2	IS-12-G4-03	IS-12-H4-S2	IS-12-H4-03				
95B063351	95B063341	95B063431	95B063421				
IS-12-G5-S2	IS-12-G5-03	IS-12-H5-S2	IS-12-H5-03				
95B062691	95B062681	95B062771	95B062761				
IS-12-G6-S2	IS-12-G6-03	IS-12-H6-S2	IS-12-H6-03				
95B062671	95B062661	95B062751	95B062741				
10-30 Vdc (-15/10%)	10-30 Vdc (-15/10%)	10-30 Vdc (-15/10%)	10-30 Vdc (-15/10%)				
< 10%	< 10%	< 10%	< 10%				
< 10%	< 10%	< 10%	< 10%				
200 mA	200 mA	200 mA	200 mA				
> 1,6 mA (2wires ver.)							
< 10 mA	< 10 mA	< 10 mA	< 10 mA				
< 1,2 V (I=100mA)							
Yellow	Yellow	Yellow	Yellow				
500 Hz/200 Hz (4 wires NO-NC)							
< 75 ms	< 75 ms	< 75 ms	< 75 ms				
< 3%	< 3%	< 3%	< 3%				
Present (self-resetting)	Present (self-resetting)	Present (self-resetting)	Present (self-resetting)				
Against polarity reversal inductive loads							
(-25 +70 °C)	(-25 +70 °C)	(-25 +70 °C)	(-25 +70 °C)				
IP67	IP67	IP67	IP67				
	2 m		2 m				
	3 x 0,14 mm² 4 x 0,25 mm²		3 x 0,14 mm² 4 x 0,25 mm²				
Nickel-plated brass	Nickel-plated brass	Nickel-plated brass	Nickel-plated brass				
LCP	LCP	LCP	LCP				
* see page 5 of the Inductive Sensors Catalog	* see page 5 of the Inductive Sensors Catalog	* see page 5 of the Inductive Sensors Catalog	* see page 5 of the Inductive Sensors Catalog				
	110 g		110 g				
60 g		60 g					





## M12 connector connections



### 2 wires NO or NC

c	ONTACTS	CONFIGU	RATION		
Available	Contacts numbers				
	1	2	3	- 4	
NO	+		2		
NC	:		+		

### 3 wires

C	ONTACTS	CONFIGU	RATION	
Bulletin Street		Contacts	numbers	
Available.	1	2	3	4
(NO or NC)	+		-	NOING

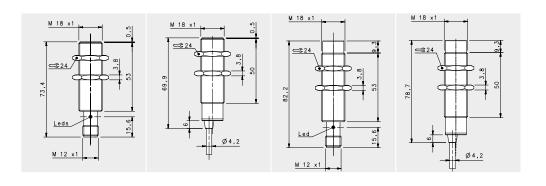
### 4 wires (PNP/NPN, NO/NC)

0.00		Contacts	numbers	
Output	1	2	-3	4
NPN NO	+	NO	-	-
NPN NC	-	NC.	+	-
PNP NO	+	+	-	NO
PNP NC	:	+	+	NO

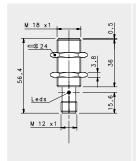
### 4 wires (NO+NC)

******		Contacts	numbers	
Available	1	2	3	- 4
(NO+NC)	+	NC:	-	NO





						DARD			
				FLU	JSH	NON F	NON FLUSH		
				M12 conn	cable	M12 conn	cable		
NOMINAL SWITCH	IING DISTAN	CE		5 mm	5 mm	8 mm	8 mm		
40.20141	PNP/NPN			IS-18-A0-S2	IS-18-A0-03	IS-18-C0-S2	IS-18-C0-03		
10-30 Vdc	NO-NC	4 wires	order No.	95B064260	95B064230	95B064280	95B064240		
10 20 1/4-	PNP	2		IS-18-A1-S2	IS-18-A1-03	IS-18-C1-S2	IS-18-C1-03		
10-30 Vdc	NO	3 wires	order No.	95B061351	95B061341	95B061751	95B061741		
10-30 Vdc	PNP	3 wires		IS-18-A2-S2	IS-18-A2-03	IS-18-C2-S2	IS-18-C2-03		
10-30 vac	NC	3 WIIES	order No.	95B061371	95B061361	95B061771	95B061761		
10-30 Vdc	NPN	3 wires		IS-18-A3-S2	IS-18-A3-03	IS-18-C3-S2	IS-18-C3-03		
10 30 vac	NO	J WIICS	order No.	95B061311	95B061301	95B061711	95B061701		
10-30 Vdc	NPN	3 wires		IS-18-A4-S2	IS-18-A4-03	IS-18-C4-S2	IS-18-C4-03		
10 30 vac	NC	5 Wiles	order No.	95B061331	95B061321	95B061731	95B061721		
10-30 Vdc	PNP	4 wires							
10 30 vac	NO-NC	4 WIICS	order No.						
10-30 Vdc	NPN	4 wires							
	NO-NC	1 1111103	order No.						
10-30 Vdc	NO-NC	2 wires		IS-18-A9-S2	S-18-A9-03	IS-18-C9-S2	IS-18-C9-03		
· · <del>-</del>			order No.	95B063941	95B064300	95B064340	95B064310		
20-250 Vac/Vdc	NO	2 wires							
			order No.						
20-250 Vac/Vdc	NC	2 wires							
			order No.						
20-250 Vac	NO	2/3wires							
			order No.						
10-30 Vdc	Analog	3 wires							
	0-20 mA		order No.						
NAMUR amplifier	NAMUR	2 wires	order No.						
			order No.						
Nominal Voltage				10-30 Vdc (-15/10%)	10-30 Vdc (-15/10%)	10-30 Vdc (-15/10%)	10-30 Vdc (-15/10%)		
Residual Ripple				< 10%	< 10%	< 10%	< 10%		
Hysteresis				< 10%	< 10%	< 10%	< 10%		
Max. Output Curre	nt			200 mA	200 mA	200 mA	200 mA		
Min. Output Curre				> 1,6 mA (2wires ver.)	> 1,6 mA (2wires ver.)	> 1,6 mA (2wires ver.)	> 1,6 mA (2wires ver.)		
Residual Current				< 10 mA	< 10 mA	< 10 mA	< 10 mA		
Voltage Drop				< 1,8V; < 6,5 V (2wires ver.)	< 1,8V; < 6,5 V (2wires ver.)	< 1,8V; < 6,5 V (2wires ver.)	< 1,8V; < 6,5 V (2wires ver.)		
Operation Led				Yellow	Yellow	Yellow	Yellow		
Switching Frequer	ncv			1000 Hz/200 Hz (2 wires NO-NC)	1000 Hz/200 Hz (2 wires NO-NC)	1000 Hz/200 Hz (2 wires NO-NC)	1000 Hz/200 Hz (2 wires NO-N		
Start Up Delay	- 1			< 50 ms	< 50 ms	< 50 ms	< 50 ms		
Repeatability				< 3%	< 3%	< 3%	< 3%		
Short Circuit Prote	ection			Present (self-resetting)	Present (self-resetting)	Present (self-resetting)	Present (self-resetting)		
Electric Protection				Against polarity reversal inductive loads	Against polarity reversal inductive loads	Against polarity reversal inductive loads	Against polarity reversal inductive loads		
Temperature Limit				(-25 +60 °C)	(-25 +60 °C)	(-25 +60 °C)	(-25 +60 °C)		
Protection Degree				IP67	IP67	IP67	IP67		
Cable Length					2 m		2 m		
Cable Section					2 x 0,34 mm <sup>2</sup> 3 x 0,14 mm <sup>2</sup> 4 x 0,25 mm <sup>2</sup>		2 x 0,34 mm <sup>2</sup> 3 x 0,14 mm <sup>2</sup> 4 x 0,25 mm <sup>2</sup>		
Housing Material				Nickel-plated brass	Nickel-plated brass	Nickel-plated brass	Nickel-plated brass		
Active face				LCP	LCP	LCP	LCP		
Tightening torque				* see page 5 of the Inductive Sensors Catalog	* see page 5 of the Inductive Sensors Catalog	* see page 5 of the Inductive Sensors Catalog	* see page 5 of the Inductiv Sensors Catalog		
Weight - Cable Out	put				145g		145g		
Weight - Connecto	r Outnut			95g		95g			



(-25 ... +60 °C)

IP67

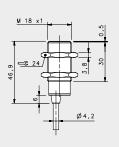
---Nickel-plated brass

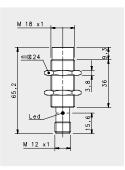
LCP

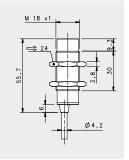
see page 5 of the Inductive

Sensors Catalog

95g







#### **SHORT** NON FLUSH FLUSH M12 conn cable M12 conn cable 5 mm 5 mm 8 mm 8 mm IS-18-B1-S2 IS-18-B1-03 IS-18-D1-S2 IS-18-D1-03 95B062151 95B062141 95B062551 95B062541 IS-18-B2-S2 IS-18-B2-03 IS-18-D2-S2 IS-18-D2-03 95B062171 95B062161 95B062571 95B062561 IS-18-D3-S2 IS-18-D3-03 IS-18-B3-S2 IS-18-B3-03 95B062511 95B062501 95B062111 95B062101 IS-18-B4-S2 IS-18-B4-03 IS-18-D4-S2 IS-18-D4-03 95B062131 95B062531 95B062521 95B062121 ---10-30 Vdc (-15/10%) 10-30 Vdc (-15/10%) 10-30 Vdc (-15/10%) 10-30 Vdc (-15/10%) < 10% < 10% < 10% < 10% < 10% < 10% < 10% < 10% 200 mA 200 mA 200 mA 200 mA < 10 mA < 10 mA < 10 mA < 10 mA < 1,8 V (I=100mA) < 1,8 V (I=100mA) < 1,8 V (I=100mA) < 1,8 V (I=100mA) Yellow Yellow Yellow Yellow 1000 Hz 1000 Hz 1000 Hz 1000 Hz < 50 ms < 50 ms < 50 ms < 50 ms < 3% < 3% < 3% < 3% Present (self-resetting) Present (self-resetting) Present (self-resetting) Present (self-resetting) Against polarity reversal Against polarity reversal Against polarity reversal Against polarity reversal inductive loads inductive loads inductive loads inductive loads

(-25 ... +60 °C)

IP67

2 m

3 x 0,14 mm<sup>2</sup>

Nickel-plated brass

LCP

\* see page 5 of the Inductive

Sensors Catalog

145g

(-25 ... +60 °C)

IP67

Nickel-plated brass

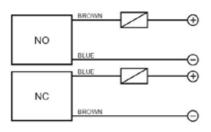
LCP

\* see page 5 of the Inductive

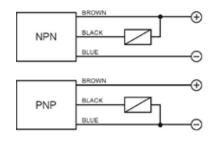
Sensors Catalog

95g

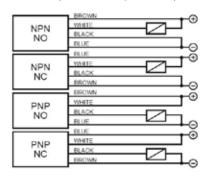
### 2 wires NO or NC



### 3 wires PNP or NPN



### 4 wires (PNP/NPN, NO/NC)



### M12 connector - connections



### 2 wires NO or NC

Amelable	Contacts numbers			
Average	3	2	3	4
NO	*		-	
NC	- 22		+	

### 3 wires

(-25 ... +60 °C)

IP67

2 m

3 x 0,14 mm<sup>2</sup>

Nickel-plated brass

LCP

see page 5 of the Inductive

Sensors Catalog

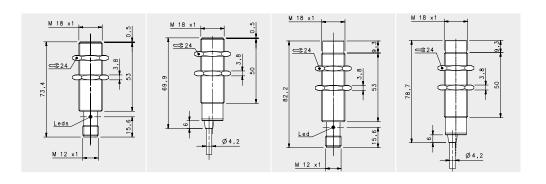
145g

C	ONTACTS	CONFIGU	RATION	
Available	Contacts numbers			
Available	1	2	3	4
(NO or NC)	+		-	NO/NO

### 4 wires (PNP/NPN, NO/NC)

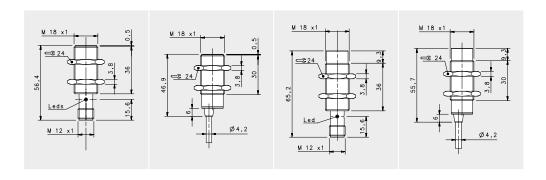
Output		Contacts	numbers	
	11	2	- 3	4
NPN NO	+	NO		-
NPN NC	-	NC	+	-
PNP NO	+ -	+		NO
PNP NC	-	+	+	NO





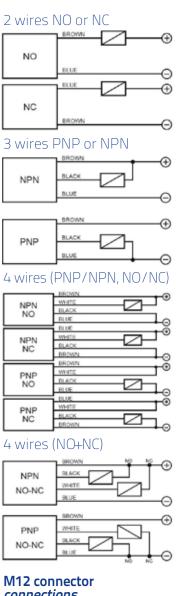
STANDARD X2

				FLU	SH	NON FLUSH	
				M12 conn	cable	M12 conn	cable
IOMINAL SWITCH	IING DISTAN	CE		8 m	m	14 r	mm
10-30 Vdc	PNP/NPN	4 wires		IS-18-E0-S2	IS-18-E0-03	IS-18-F0-S2	IS-18-F0-03
10-50 Vac	NO-NC	4 WITES	order No.	95B067310	95B067270	95B067330	95B067290
10-30 Vdc	PNP	3 wires		IS-18-E1-S2	IS-18-E1-03	IS-18-F1-S2	IS-18-F1-03
10-30 vac	NO	2 MILES	order No.	95B067050	95B067810	95B067040	95B067880
10-30 Vdc	PNP	3 wires		IS-18-E2-S2	IS-18-E2-03	IS-18-F2-S2	IS-18-F2-03
10-30 vac	NC	2 MILES	order No.	95B067780	95B067820	95B067850	95B067890
10-30 Vdc	NPN	3 wires		IS-18-E3-S2	IS-18-E3-03	IS-18-F3-S2	IS-18-F3-03
	NO	5 Wiles	order No.	95B067790	95B067830	95B067860	95B067900
10-30 Vdc	NPN	3 wires		IS-18-E4-S2	IS-18-E4-03	IS-18-F4-S2	IS-18-F4-03
	NC	3	order No.	95B067800	95B067840	95B067870	95B067910
10-30 Vdc	PNP	4 wires					
	NO-NC		order No.				
10-30 Vdc	NPN	4 wires					
	NO-NC		order No.				
10-30 Vdc	NO-NC	2 wires		IS-18-E9-S2	IS-18-E9-03	IS-18-F9-S2	IS-18-F9-03
-			order No.	95B067320	95B067280	95B067340	95B067300
20-250 Vac/Vdc	NO	2 wires					
			order No.				
20-250 Vac/Vdc	NC	2 wires					
			order No.				
0-250 Vac	NO	2/3 wires					
			order No.				
0-30 Vdc	Analog 0-20 mA	3 wires					
	0-20 IIIA		order No.				
NAMUR amplifier	NAMUR	2 wires	order No.				
			order No.				
Nominal Voltage				10-30 Vdc (-15/10%)	10-30 Vdc (-15/10%)	10-30 Vdc (-15/10%)	10-30 Vdc (-15/10%)
Residual Ripple				< 10%	< 10%	< 10%	< 10%
Hysteresis				< 10%	< 10%	< 10%	< 10%
Max. Output Curre	nt			200 mA	200 mA	200 mA	200 mA
Min. Output Curre					200 IIIA		200 IIIA
Residual Current	1110			< 10 mA	< 10 mA	< 10 mA	< 10 mA
/oltage Drop				< 1,2 V (I=100mA)	< 1,2 V (I=100mA)	< 1,2 V (I=100mA)	< 1,2 V (I=100mA)
Operation Led				Yellow	Yellow	Yellow	Yellow
witching Frequer	ncv			400 Hz	400 Hz	100 Hz	100 Hz
Start Up Delay				< 50 ms	< 50 ms	< 50 ms	< 50 ms
Repeatability				< 3%	< 3%	< 3%	< 3%
Short Circuit Prote	ection			Present (self-resetting)	Present (self-resetting)	Present (self-resetting)	Present (self-resetting)
Electric Protection	1			Against polarity reversal inductive loads	Against polarity reversal inductive loads	Against polarity reversal inductive loads	Against polarity reversal inductive loads
emperature Limit				(-25 +70 °C)	(-25 +70 °C)	(-25 +70 °C)	(-25 +70 °C)
Protection Degree				IP67	IP67	IP67	IP67
able Length							
able Section					2 x 0,34 mm² 3 x 0,14 mm² 4 x 0,25 mm²		2 x 0,34 mm² 3 x 0,14 mm² 4 x 0,25 mm²
Housing Material				Nickel-plated brass	Nickel-plated brass	Nickel-plated brass	Nickel-plated brass
Active face				LCP	LCP	LCP	LCP
Fightening torque				* see page 5 of the Inductive Sensors Catalog	* see page 5 of the Inductive Sensors Catalog	* see page 5 of the Inductive Sensors Catalog	* see page 5 of the Inductiv Sensors Catalog
Weight - Cable Out	put					145g	145g
Weight - Connecto	r Output			95g	95g		



**SHORT X2** 

	3110	KI XZ			
FLI	JSH	NON FLUSH			
M12 conn	cable	M12 conn	cable		
8 mm	8 mm	14 mm	14 mm		
IS-18-G1-S2	IS-18-G1-03	IS-18-H1-S2	IS-18-H1-03		
95B063531	95B063521	95B063611	95B063601		
IS-18-G2-S2	IS-18-G2-03	IS-18-H2-S2	IS-18-H2-03		
95B063551	95B063541	95B063631	95B063621		
IS-18-G3-S2	IS-18-G3-03	IS-18-H3-S2	IS-18-H3-03		
95B063491	95B063061	95B063571	95B063561		
IS-18-G4-S2	IS-18-G4-03	IS-18-H4-S2	IS-18-H4-03		
95B063511	95B063501	95B063591	95B063581		
IS-18-G5-S2	IS-18-G5-03	IS-18-H5-S2	IS-18-H5-03		
95B062731	95B062721	95B062811	95B064220		
IS-18-G6-S2	IS-18-G6-03	IS-18-H6-S2	IS-18-H6-03		
95B062711	95B064200	95B062791	95B064210		
10-30 Vdc (-15/10%)	10-30 Vdc (-15/10%)	10-30 Vdc (-15/10%)	10-30 Vdc (-15/10%)		
< 10%	< 10%	< 10%	< 10%		
< 10%	< 10%	< 10%	< 10%		
200 mA	200 mA	200 mA	200 mA		
> 1,6 mA (2wires ver.)					
< 10 mA	< 10 mA	< 10 mA	< 10 mA		
< 1,2 V (I=100mA)					
Yellow	Yellow	Yellow	Yellow		
400 Hz/100 Hz (4 wires NO-NC)	400 Hz/100 Hz (4 wires NO-NC)	400 Hz/100 Hz (4 wires NO-NC)	400 Hz/100 Hz (4 wires NO-No		
< 75 ms	< 75 ms	< 75 ms	< 75 ms		
< 3%	< 3%	< 3%	< 3%		
Present (self-resetting)	Present (self-resetting)	Present (self-resetting)	Present (self-resetting)		
Against polarity reversal inductive loads					
(-25 +60 °C)	(-25 +70 °C)	(-25 +60 °C)	(-25 +70 °C)		
IP67	IP67	IP67	IP67		
	2 m		2 m		
	3 x 0,14 mm² 4 x 0,25 mm²		3 x 0,14 mm² 4 x 0,25 mm²		
Nickel-plated brass	Nickel-plated brass	Nickel-plated brass	Nickel-plated brass		
LCP	LCP	LCP	LCP		
* see page 5 of the Inductive Sensors Catalog	* see page 5 of the Inductive Sensors Catalog	* see page 5 of the Inductive Sensors Catalog	* see page 5 of the Inductive Sensors Catalog		
	145g		145g		
95g		95g			



## connections

### 2 wires NO or NC

Available	CONTACTS CONFIGURATION  Contacts numbers				
	.1	2	3	- 4	
NO	+		2		
NC			+		

### 3 wires

C	ONTACTS	CONFIGU	RATION	
Available		Contacts	numbers	
Available .	1	2	3	4
(NO or NC)	+		-	NOINC

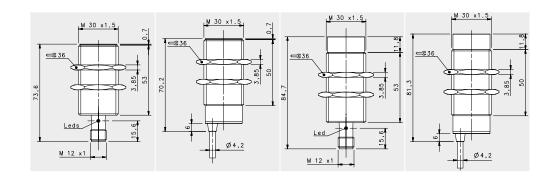
### 4 wires (PNP/NPN, NO/NC)

		Contacts	numbers	
Output	1	2	-3	4
NPN NO	+	NO	-	-
NPN NC	-	NC.	+	-
PNP NO	+	+	-	NO
PNP NC	:	+	+	NO

### 4 wires (NO+NC)

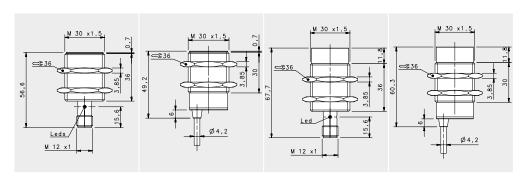
Available	Contacts numbers				
HVBNACIN.	1.5	2	3	4	
(NO+NC)	+	NC.		NO	





STANDARD

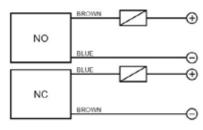
				FLI	JSH	NON	FLUSH
				M12 conn	cable	M12 conn	cable
NOMINAL SWITCH	IING DISTAN	CE		10 mm	10 mm	15 mm	15 mm
40.70.1/4-	PNP/NPN	/tu		IS-30-A0-S2	IS-30-A0-03	IS-30-C0-S2	IS-30-C0-03
10-30 Vdc	NO-NC	4 wires	order No.	95B064490	95B064460	95B064510	95B064470
10 20 1/4-	PNP	2		IS-30-A1-S2	IS-30-A1-03	IS-30-C1-S2	IS-30-C1-03
10-30 Vdc	NO	3 wires	order No.	95B061431	95B061421	95B061831	95B061821
10-30 Vdc	PNP NC	3 wires	order No.	IS-30-A2-S2 95B061451	IS-30-A2-03 95B061441	IS-30-C2-S2 95B061851	IS-30-C2-03 95B061841
			order No.	IS-30-A3-S2	IS-30-A3-03	IS-30-C3-S2	IS-30-C3-03
10-30 Vdc	NPN NO	3 wires	order No.	95B061391	95B061381	95B061791	95B061781
			order No.	IS-30-A4-S2	IS-30-A4-03	IS-30-C4-S2	IS-30-C4-03
10-30 Vdc	NPN NC	3 wires	order No.	95B061411	95B061401	95B061811	95B061801
10-30 Vdc	PNP NO-NC	4 wires	order No.				
	NPN		order No.				
10-30 Vdc	NO-NC	4 wires	order No.				
			order ivo.	IS-30-A9-S2	IS-30-A9-03	IS-30-C9-S2	IS-30-C9-03
10-30 Vdc	NO-NC	2 wires	order No.	95B064570	95B064530	95B064590	95B064550
			order Hor				
20-250 Vac/Vdc	NO	2 wires	order No.				
20-250 Vac/Vdc	NC	2 wires	order No.				
20-250 Vac	NO	2/3 wires	order No.				
	Analog	Ī					
10-30 Vdc	0-20 mA	3 wires	order No.				
NAMUR amplifier	NAMUR	2 wires	order No.				
			order No.				
Nominal Voltage				10-30 Vdc (-15/10%)	10-30 Vdc (-15/10%)	10-30 Vdc (-15/10%)	10-30 Vdc (-15/10%)
Residual Ripple				< 10%	< 10%	< 10%	< 10%
Hysteresis				< 10%	< 10%	< 10%	< 10%
Max. Output Curre	nt			200mA; 100 mA (2wires)			
Min. Output Curre	nt			> 1,6 mA (2wires)			
Residual Current				< 1,6 mA	< 1,6 mA	< 1,6 mA	< 1,6 mA
Voltage Drop				< 1,8V; < 6,5 V (2wires)			
Operation Led				Yellow	Yellow	Yellow	Yellow
Switching Frequer	ncy			300 Hz/250 Hz (2 wires NO-NC)	300 Hz/250 Hz (2 wires NO-NC)	300 Hz/250 Hz (2 wires NO-NC)	300 Hz/250 Hz (2 wires NO-N
Start Up Delay				< 50 ms	< 50 ms	< 50 ms	< 50 ms
Repeatability				< 3%	< 3%	< 3%	< 3%
Short Circuit Prote	ection			Present (self-resetting)	Present (self-resetting)	Present (self-resetting)	Present (self-resetting)
Electric Protection	ı			Against polarity reversal inductive loads			
Temperature Limit				(-25 +70 °C)	(-25 +70 °C)	(-25 +70 °C)	(-25 +70 °C)
Protection Degree				IP67	IP67	IP67	IP67
Cable Length					2 m		2 m
Cable Section					2 x 0,34 mm² 3 x 0,14 mm² 4 x 0,25 mm²		2 x 0,34 mm² 3 x 0,14 mm² 4 x 0,25 mm²
Housing Material				Nickel-plated brass	Nickel-plated brass	Nickel-plated brass	Nickel-plated brass
Active face				LCP	LCP	LCP	LCP
Tightening torque				* see page 5 of the Inductive Sensors Catalog	* see page 5 of the Inductive Sensors Catalog	* see page 5 of the Inductive Sensors Catalog	* see page 5 of the Inductive Sensors Catalog
Weight - Cable Out	put				210 g		210 g
Weight - Connecto	•			170 g		170 g	



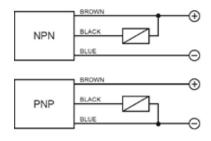
	SH	ORT	
FLL	JSH		FLUSH
M12 conn	cable	M12 conn	cable
10 mm	10 mm	15 mm	15 mm
IS-30-B1-S2	IS-30-B1-03	IS-30-D1-S2	IS-30-D1-03
95B062231	95B062221	95B062631	95B062621
IS-30-B2-S2	IS-30-B2-03	IS-30-D2-S2	IS-30-D2-03
95B062251	95B062241	95B062651	95B062641
IS-30-B3-S2	IS-30-B3-03	IS-30-D3-S2	IS-30-D3-03
95B062191	95B062181	95B062591	95B062581
IS-30-B4-S2	IS-30-B4-03	IS-30-D4-S2	IS-30-D4-03
95B062211	95B062201	95B062611	95B062601
			330002001
10-30 Vdc (-15/10%)	10-30 Vdc (-15/10%)	10-30 Vdc (-15/10%)	10-30 Vdc (-15/10%)
< 10%	< 10%	< 10%	< 10%
< 10%	< 10%	< 10%	< 10%
200 mA	200 mA	200 mA	200 mA
< 10 mA	< 10 mA	< 10 mA	< 10 mA
< 1,8 V (I=100mA)	< 1,8 V (I=100mA)	< 1,8 V (I=100mA)	< 1,8 V (I=100mA)
Yellow	Yellow	Yellow	Yellow
300 Hz	300 Hz	300 Hz	300 Hz
< 50 ms	< 50 ms	< 50 ms	< 50 ms
< 3%	< 3%	< 3%	< 3%
Present (self-resetting)	Present (self-resetting)	Present (self-resetting)	Present (self-resetting)
Against polarity reversal inductive loads	Against polarity reversal inductive loads	Against polarity reversal inductive loads	Against polarity reversal inductive loads
(-25 +60 °C)	(-25 +60 °C)	(-25 +60 °C)	(-25 +60 °C)
IP67	IP67	IP67	IP67
	2 m		2 m
	3 x 0,14 mm²		3 x 0,14 mm²
Nickel-plated brass	Nickel-plated brace	Nickel-plated brass	Nickel plated brace
·	Nickel-plated brass	·	Nickel-plated brass
* see page 5 of the Inductive Sensors Catalog	LCP * see page 5 of the Inductive Sensors Catalog	LCP * see page 5 of the Inductive Sensors Catalog	LCP * see page 5 of the Inductive Sensors Catalog
	210 g		210 g
170 g		170 g	

170 g

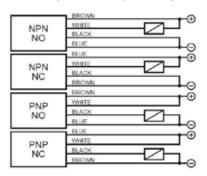
### 2 wires NO or NC



### 3 wires PNP or NPN



### 4 wires (PNP/NPN, NO/NC)



### M12 connector - connections



### 2 wires NO or NC

Amelable	Contacts numbers			
Average	3	2	3	4
NO	*		-	
NC	100		+	

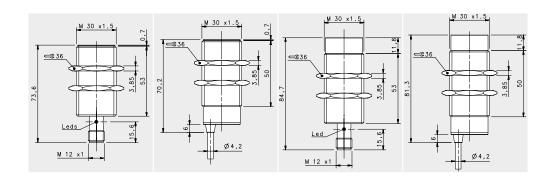
### 3 wires

C	ONTACTS	CONFIGU	RATION	
Available	Contacts numbers			
Available	-1	2	3	4
(NO or NC)	+		-	NO/NO

### 4 wires (PNP/NPN, NO/NC)

Output		Contacts	numbers	
Output	010	2	- 3	4
NPN NO	+	NO	_	-
NPN NC	-	NC	+	-
PNP NO	+ .	+		NO
PNP NC	-	+	+	NO



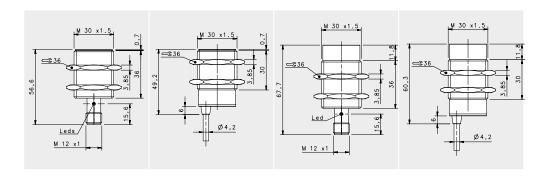


STANDARD X2

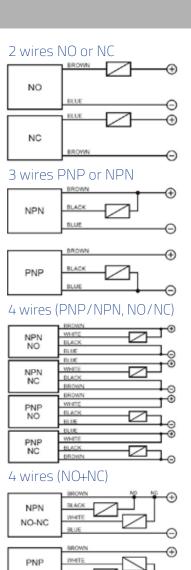
NON-FLUSH

					120511				
				M12 conn	cable	M12 conn	cable		
NOMINAL SWITCH	IING DISTAN	CE		15mm	15mm	20 mm	20 mm		
	PNP/NPN			IS-30-E0-S2	IS-30-E0-03	IS-30-F0-S2	IS-30-F0-03		
10-30 Vdc	NO-NC	4 wires	order No.	95B067390	95B067350	95B067410	95B067370		
10. 20.1/1	PNP	<u>.</u> .		IS-30-E1-S2	IS-30-E1-03	IS-30-F1-S2	IS-30-F1-03		
10-30 Vdc	NO	3 wires	order No.	95B067060	95B067950	95B067990	95B068030		
10 20 1/4-	PNP	2		IS-30-E2-S2	IS-30-E2-03	IS-30-F2-S2	IS-30-F2-03		
10-30 Vdc	NC	3 wires	order No.	95B067920	95B067960	95B068000	95B068040		
10-30 Vdc	NPN	3 wires		IS-30-E3-S2	IS-30-E3-03	IS-30-F3-S2	IS-30-F3-03		
10-50 vac	NO	5 WIIES	order No.	95B067930	95B067970	95B068010	95B068050		
10-30 Vdc	NPN	3 wires		IS-30-E4-S2	IS-30-E4-03	IS-30-F4-S2	IS-30-F4-03		
10-30 vuc	NC	2 Miles	order No.	95B067940	95B067980	95B068020	95B068060		
10-30 Vdc	PNP	4 wires							
10-30 vac	NO-NC	4 WIIES	order No.						
10-30 Vdc	NPN	4 wires							
10 30 Vac	NO-NC	4 WIIC3	order No.						
10-30 Vdc	NO-NC	2 wires		IS-30-E9-S2	IS-30-E9-03	IS-30-F9-S2	IS-30-F9-03		
10 30 vac	NO NC	2 WIICS	order No.	95B067400	95B067360	95B067420	95B067380		
20-250 Vac/Vdc	NO	2 wires							
250 vac/ vac	140	2 WIICS	order No.						
20-250 Vac/Vdc	NC	2 wires							
230 140, 140		2	order No.						
20-250 Vac	NO	2/3wires							
		275111105	order No.						
10-30 Vdc	Analog	3 wires							
	0-20 mA	5 11	order No.						
NAMUR amplifier	NAMUR	2 wires							
			order No.						
Nominal Voltage				10-30 Vdc (-15/10%)	10-30 Vdc (-15/10%)	10-30 Vdc (-15/10%)	10-30 Vdc (-15/10%)		
Residual Ripple				< 10%	< 10%	< 10%	< 10%		
Hysteresis				< 10%	< 10%	< 10%	< 10%		
Max. Output Currer	nt			200 mA	200 mA	200 mA	200 mA		
Min. Output Curre									
Residual Current				< 10 mA	< 10 mA	< 10 mA	< 10 mA		
/oltage Drop				< 6,5 V (I=100mA)	< 6,5 V (I=100mA)	< 6,5 V (I=100mA)	< 6,5 V (I=100mA)		
Operation Led				Yellow	Yellow	Yellow	Yellow		
Switching Frequer	ncv			200 Hz/100 Hz (2 wires NO-NC)	200 Hz/100 Hz (2 wires NO-NC)	200 Hz/100 Hz (2 wires NO-NC)	200 Hz/100 Hz (2 wires NO-N		
Start Up Delay	,			< 75 ms	< 75 ms	< 75 ms	< 75 ms		
Repeatability				< 3%	< 3%	< 3%	< 3%		
Short Circuit Prote	ection			Present (self-resetting)	Present (self-resetting)	Present (self-resetting)	Present (self-resetting)		
Electric Protection	ı			Against polarity reversal inductive loads	Against polarity reversal inductive loads	Against polarity reversal inductive loads	Against polarity reversal inductive loads		
emperature Limit				(-25 +70 °C)	(-25 +70 °C)	(-25 +70 °C)	(-25 +70 °C)		
Protection Degree				IP67	IP67	IP67	IP67		
Table Length									
Cable Section					2 x 0,34 mm² 3 x 0,14 mm² 4 x 0,25 mm²		2 x 0,34 mm² 3 x 0,14 mm² 4 x 0,25 mm²		
Housing Material				Nickel-plated brass	Nickel-plated brass	Nickel-plated brass	Nickel-plated brass		
Active face				LCP	LCP	LCP	LCP		
Fightening torque				* see page 5 of the Inductive Sensors Catalog	* see page 5 of the Inductive Sensors Catalog	* see page 5 of the Inductive Sensors Catalog	* see page 5 of the Inductiv Sensors Catalog		
Neight - Cable Out	put			Sensors Catalog	Jensons Catalog	Selisors Catalog			
Weight - Connector	•			170 g	170 g	170 g	170 g		

FLUSH



	SHOI	RT X2	
FLL		NON F	LUSH
M12 conn	cable	M12 conn	cable
15mm	15mm	20 mm	20 mm
1311111	1311111	20 111111	20 111111
IS-30-G1-S2	IS-30-G1-03	IS-30-H1-S2	IS-30-H1-03
95B063691	95B063681	95B063771	95B063761
IS-30-G2-S2	IS-30-G2-03	IS-30-H2-S2	IS-30-H2-03
95B063711	95B063701	95B063791	95B063781
IS-30-G3-S2	IS-30-G3-03	IS-30-H3-S2	IS-30-H3-03
95B063651	95B063641	95B063731	95B063721
IS-30-G4-S2	IS-30-G4-03	IS-30-H4-S2	IS-30-H4-03
95B063671	95B063661	95B063751	95B063741
IS-30-G5-S2	IS-30-G5-03	IS-30-H5-S2	IS-30-H5-03
95B063831	95B063821	95B064450	95B064420
IS-30-G6-S2	IS-30-G6-03	IS-30-H6-S2	IS-30-H6-03
95B064430	95B064400	95B064440	95B064410
10-30 Vdc (-15/10%)	10-30 Vdc (-15/10%)	10-30 Vdc (-15/10%)	10-30 Vdc (-15/10%)
< 10%	< 10%	< 10%	< 10%
< 10%	< 10%	< 10%	< 10%
200 mA	200 mA	200 mA	200 mA
< 10 mA	< 10 mA	< 10 mA	< 10 mA
< 1,2 V (I=100mA)			
Yellow	Yellow	Yellow	Yellow
200 Hz	200 Hz	200 Hz	200 Hz
< 75 ms	< 75 ms	< 75 ms	< 75 ms
< 3%	< 3%	< 3%	< 3%
Present (self-resetting)	Present (self-resetting)	Present (self-resetting)	Present (self-resetting)
Against polarity reversal inductive loads			
(-25 +70 °C)	(-25 +70 °C)	(-25 +70 °C)	(-25 +70 °C)
IP67	IP67	IP67	IP67
	2 m		2 m
	3 x 0,14 mm² 4 x 0,25 mm²		3 x 0,14 mm² 4 x 0,25 mm²
Nickel-plated brass	Nickel-plated brass	Nickel-plated brass	Nickel-plated brass
LCP	LCP	LCP	LCP
* see page 5 of the Inductive Sensors Catalog	* see page 5 of the Inductive Sensors Catalog	* see page 5 of the Inductive Sensors Catalog	* see page 5 of the Inductive Sensors Catalog
	210 g		210 g
170 g		170 g	



## M12 connector connections

NO-NC

### 2 wires NO or NC

woodness."	CONTACTS CONFIGURATION  Contacts numbers			
AVAILED !	1	2	3	4
NO	+		-	
NC			+	

### 3 wires

C	ONTACTS	CONFIGU	RATION	
A. Carriero		Contacts	numbers	
Ayarabie	1	2	3	4
(NO or NC)	+	100.7	+	NOING

### 4 wires (PNP/NPN, NO/NC)

		Contacts	numbers	
Output	1	2	-3	4
NPN NO	+	NO	-	-
NPN NC	-	NC.	+	-
PNP NO	+	+	-	NO
PNP NC	:	+	+	NO

### 4 wires (NO+NC)

Available	Contacts numbers			
	- 1	2	3	4
(NO+NC)	+	NC.		NO